

## Certificate of Analysis

Date of Testing: 2022-10-21 10:07:34

Date of Next Testing: 2026-10-20 10:07:34

Product Name: **Isocytosine**

CAS Number: 108-53-2

Specifications & Purity: 99%

Lot #: J2217553

SKU #: **I122417**

**Analysis:** **106343**

Storage Temperature: Argon charged

| Parameter                                                  | Limit Values          | Result                |
|------------------------------------------------------------|-----------------------|-----------------------|
| Purity(NonaqueousTitration)                                | 98.5-101.5 (%)        | 99.69 %               |
| EmM( $\lambda_{\max}$ : 273nm, 0.1 M NaOH)                 | 6.4-6.7               | 6.68                  |
| Purity(HPLC)                                               | 99-100 (%)            | 99.03000 %            |
| Appearance (I122417Color)                                  | White to pale yellow  | White to pale yellow  |
| Appearance (I122417Form)                                   | Powder to crystal     | Powder to crystal     |
| Proton NMR spectrum                                        | Conforms to Structure | Conforms to Structure |
| Solubility in AcOH,colorless to pale yellow clear,50 mg/ml | Pass                  | Pass                  |



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QA & QC Manager